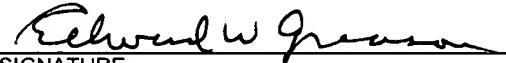


FORM PTO-1390 (REV. 5-93)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY DOCKET NUMBER 1743/188
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/869783		
INTERNATIONAL APPLICATION NO. PCT/JP99/06418	INTERNATIONAL FILING DATE (17.11.99) 11 November 1999		PRIORITY DATE(S) CLAIMED (04.01.98) 4 January 1998	
TITLE OF INVENTION ELEMENT MAPPING DEVICE, SCANNING TRANSMISSION ELECTRON MICROSCOPE, AND ELEMENT MAPPING METHOD				
APPLICANT(S) FOR DO/EO/US KAJI, Kazutoshi, UEDA, Kazuhiro, KIMOTO, Koji, AOYAMA, Takashi, TAYA, Shunroku, ISAKOZAWA, Shigeto.				
Applicants herewith submit to the United States Designated/Elected Office (DO/EO/US) the following items and other information:				
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) immediately rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>6. <input type="checkbox"/> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>7. <input checked="" type="checkbox"/> b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</p> <p>8. <input type="checkbox"/> c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>9. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>10. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>11. <input type="checkbox"/> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p>12. <input type="checkbox"/> b. <input type="checkbox"/> have been transmitted by the International Bureau.</p> <p>13. <input type="checkbox"/> c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>14. <input type="checkbox"/> d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>15. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>16. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>17. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p>Items 11. to 16. below concern other document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification and marked-up specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input checked="" type="checkbox"/> Other items or information: International Search Report, PCT/RO/101, published PCT application WO/35269</p>				

Express Mail No.: EL 243100015 US

U.S. APPLICATION NO. if known, see 37 CFR 1.5 09/86978		INTERNATIONAL APPLICATION NO. PCT/JP99/06418	ATTY/DOCKET NUMBER 1743-8
17. <input checked="" type="checkbox"/> The following fees are submitted:		<input type="checkbox"/> CALCULATIONS <input type="checkbox"/> PTO USE ONLY	
Basic National Fee (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO \$860.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) \$690.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$710.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$1,000.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) \$100.00			
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$ 860.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$ 0.00	
Claims **	Number Filed	Number Extra	Rate
Total Claims	10 - 20 =	0	X \$18.00 \$ 0.00
Independent Claims	2 - 3 =	0	X \$0.00 \$ 0.00
Multiple dependent claim(s) (if applicable)**		+ \$270.00	\$ 0.00
TOTAL OF ABOVE CALCULATIONS =		\$860.00	
Reduction by 1/2 for filing by small entity, if applicable.		\$860.00	
** Following entry of Preliminary Amendment		SUBTOTAL = \$860.00	
Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+ \$	
TOTAL NATIONAL FEE =		\$860.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$	
TOTAL FEES ENCLOSED =		\$860.00	
		Amount to be: refunded	\$
		charged	\$
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>11-0600</u> in the amount of \$860.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to <u>11-0600</u> . A duplicate copy of this sheet is enclosed.			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a)) Deposit Account No. or (b)) must be filed and granted to restore the application to pending status.			
SEND ALL CORRESPONDENCE TO:			
 SIGNATURE			
Kenyon & Kenyon			
 <u>26646</u> PATENT TRADEMARK OFFICE			
Edward W. Greason, Reg. No. 18,918 NAME DATE <u>June 28 2001</u>			

09/869783
J. Rec'd PCT/PTO 29 JUN 2001

EXPRESS MAIL CERTIFICATE

“EXPRESS MAIL” MAILING LABEL NUMBER EL24310001548

DATE OF DEPOSIT 6/29/01

TYPE OF DOCUMENT National Phase Application

RE: [AJI, Kazutashi, et al.

SERIAL NO. To be assigned **FILING DATE** Herewith

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE “EXPRESS MAIL POST OFFICE TO ADDRESSEE” SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE, BY BEING HANDED TO A POSTAL CLERK OR BY BEING PLACED IN THE EXPRESS MAIL BOX BEFORE THE POSTED DATE OF THE LAST PICK UP, AND IS ADDRESSED TO THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

Chandru Seonaran

(PRINTED NAME OF PERSON MAILING PAPER OR FEE)

Chandru Seonaran

(SIGNATURE OF PERSON MAILING PAPER OR FEE)

Element Mapping Device, Scanning Transmission
Electron Microscope, And Element Mapping Method